PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: TONY ALEXANDER	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)	
C/O PORTFOLIOIP P.O. BOX 52050 MINNEAPOLIS, MN 55402		
`	Date of mailing US WAK 2005	
Applicant's or agent's file reference 100.0037PCT 80110 029 . W D1	FOR FURTHER ACTION See paragraphs 1 and 4 below	
International application No. PCT/US04/31898	International filing date (day/month/year) 29 September 2004 (29.09.2004)	
Applicant ALVBOLUS INC.		

The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority
have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes

1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35

For more detailed instructions, see the notes on the accompanying sheet.

The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(e) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90&s.1 and 90&s.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bream. The International Bureau will send a copy of each comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for interestional preliminary commission must be filed if the applicant wishes to postpone the entry into the autional phase until 30 months from the priority date (in some Offices even later), otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the antional phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internst site.

Name and mailing address of the ISA/ US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Form PCT/ISA/220 (January 2004)

Telephone No. 703-308-0858

Telephone No. 703-308-0858





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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 100.0037PCT	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.				
International application No. PCT/US04/31898	International filing date (day/month/year) 29 September 2004 (29.09.2004)	(Earliest) Priority Date (day/month/year) 30 September 2003 (30.09.2003)			
Applicant ALVEOLUS INC.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of					
Basis of the Report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application					
furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No.					
Unity of invention is lacking the text is approved as submitted. Unity of invention is lacking the text is approved as submitted.	,	Ĭ.			
5. With regard to the abstract, the text is approved as subm the text has been established applicant may, within or to this Authority.	itted by the applicant. , according to Rule 38.2(b), by this Authorit me month from the date of mailing of this int	y as it appears in Box No. IV. The emait comments			
as suggested by the	Authority, because the applicant failed to sugn authority, because this figure better character sublished with the abstract.				

INTERNATIONAL SEARCH REPORT

International application No.

Box IV TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

The present invention, in an exemplary embodiment, provides a stent (10), which combines many of the excellent characteristics of both silicone and metal stents while eliminating the undestrable ones. In particular, a principal objective in accordance with the present invention is to provide a family of stents where the relative hardness/softness of regions of the stent can differ from other regions of the stent (10) to provide additional patient comfort and resistance to radial forces. An exemplary embodiment also provides a family of stents with obstruction clearance and/or radiation therapy capabilities.

Form PCT/ISA/210 (continuation of first sheet(3)) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31898

A. CLASSIFICATION OF SUBJECT MATTER IPC/7) : A61F 2/06					
IPC(7) US CL	: 623/1.15, 1.17, 1.19, 1.2, 1.42				
	International Patent Classification (IPC) or to both	national classification and IPC			
	DS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 623/1.15, 1.17, 1.19, 1.2, k.42					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
	ata base consulted during the international search (na	me of data base and, where practicable, s	earch terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a		Relevant to claim No.		
X.	US 6,436,133 B1 (Furst et al) 20 August 2002 (20. 12-14; col. 3, lines 27-31; and col. 4, lines 25-32.	08.2002), see figs. 1-6, col. 2, lines	1-6		
Purther	documents are listed in the continuation of Box C.	See patent family annex.			
"A" document of particul	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filling date	"T" Inter document published after the inte date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the considered novel or cannot be considered	ation but cited to understand the ution		
"L" document	which may throw doubts on priority claim(s) or which is clied to he publication date of another citation or other special reason (as	when the document is taken alone "Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	laimed invention cannot be when the document is		
O document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the			
"P" document priority de	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent i			
Date of the a	ctual completion of the international search	Date of mailing of the international seas	rch report		
	005 (25.01.2005)	09 MAR 2005	1		
Mail Con P.O Alex	ulling address of the ISA/US 1 Stop PCT, Ann: ISA/US minisioner for Patents Box 1450 candria, Virginia 22313-1450 . (703) 305-3230	Authorized officer Shaven 1 /. Alvin Stewart Telephone No. 703-308-0858	Theen for		
		L			

Form PCT/ISA/210 (second sheet) (January 2004)

From the INTERNATIONAL SEARCHING AUTHORITY PCT To: TONY ALEXANDER C/O PORTFOLIOIP P.O. BOX 52050 WRITTEN OPINION OF THE MINNBAPOLIS, MN 55402 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 09 MAR 2005 (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 100.0037PCT Priority date (day/month/year) International filing date (day/month/year) International application No. 30 September 2003 (30.09.2003) PCT/US04/31898 29 September 2004 (29.09.2004) International Patent Classification (IPC) or both national classification and IPC IPC(7): A61F 2/06 and US Cl.: 623/1.15, 1.17, 1.19, 1.2, 1.42 Applicant ALVEOLUS INC. 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Authorized officer Sharm A. Treene for Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US

Telephone No. 703-308-0858

Commissioner for Patents Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (January 2004)

P.O. Box 1450

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box No. I Basis of this opinion

International application No.

PCT/US04/31898

1. With re	gard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item.	
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	
2. With r	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:	
a.	type of material	
"	a sequence listing	
1 ;		
'	table(s) related to the sequence listing	
b. :	format of material	
".		
'	in written format	
	in computer readable form	
С.	time of filing/furnishing	
	contained in international application as filed.	
1. 1	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
'	Turnished subsequency to the residency, for the property	
1 .	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4. Additional comments:		
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Form PCT/	ISA/237(Box No. I) (January 2004)	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/31898

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims NONE	YESYES		
Hovely (14)	Claims 1-6	NO		
Inventive step (IS)	Claims NONE	YES		
	Claims 1-6	NO		
Industrial applicability (IA)	Claims 1-6	YES		
	Claims NONE	NO		
Clatinons and explanations: Claims 1-6 lack novelty under PCT Artic Furst et al discloses a stent comprising a a lumen and the stent does not undesirably form.	tle 33(2) as being anticipated by Furst et al US P. scaffolding (the frame) having a cylindrical mer rten or elongate (see col. 2, lines 29-31; lines 36-61).	nber having a distai proximai end		